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## The Caddo Ceramic Vessels from the Cemetery at 41HS74 on Hatley Creek in the Sabine River Basin, Harrison County, Texas

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# The Caddo Ceramic Vessels from the Cemetery at 41HS74 on Hatley Creek in the Sabine River Basin, Harrison County, Texas

*Timothy K. Perttula*

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## Introduction

Site 41HS74 is an ancestral Caddo habitation site and cemetery on Hatley Creek, a southward-flowing tributary to the Sabine River, in the East Texas Pineywoods (Figure 1). The site was investigated in 1986 by Heartfield, Price and Greene, Inc. (1988). The re-analysis of the ceramic vessels recovered from nine burial features at the site are the subject of this article. The vessels are curated at the Texas Archeological Research Laboratory at The University of Texas at Austin (TARL).

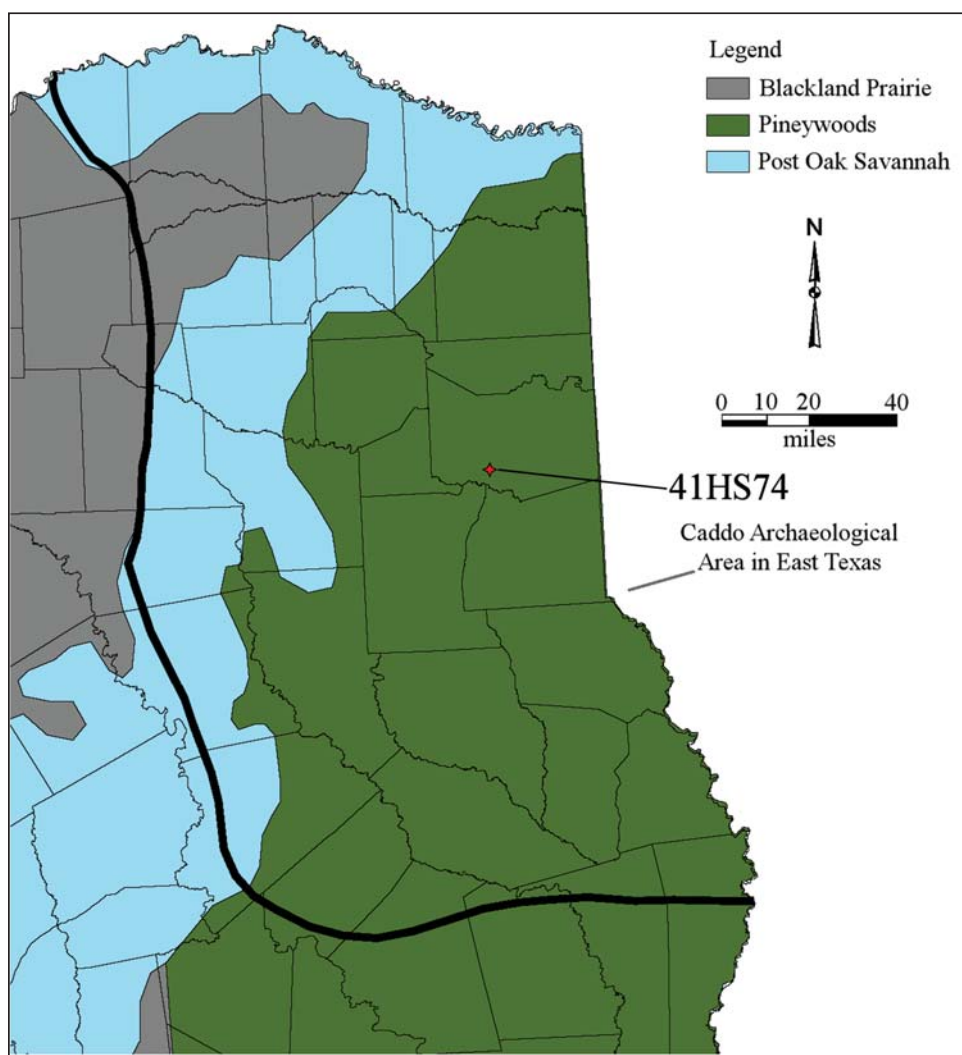


Figure 1. General location of 41HS74 in East Texas.

### Cemetery Features

The excavations at 41HS74 included several backhoe trenches and grader trenches across the site, as well as the completion of major hand excavated blocks in three different, but roughly contiguous areas. This work identified northern and southern habitation areas with considerable artifact densities, an intermediate midden deposit, and a cemetery area not far to the west of those deposits (Figure 2a).

The cemetery area at 41HS74 covered a ca. 7 x 6 m area and had nine burial features arranged in three or four east-west rows (see Figure 2b). Although the human skeletal remains were poorly preserved in the graves, their position as well as the orientation of the defined burial pit outlines indicates that the burials were laid out in an extended supine position with the deceased's head at the southern end of the burial pit and the burial pits themselves were oriented in a north-northwest direction; the burial features at the nearby Pine Tree Mound site are also oriented in the same direction (see Fields and Gadus 2012a, 2012b). Associated funerary offerings in the nine burial features include 25 ceramic vessels (2.8 vessels per burial, with a range of 1-4 vessels per burial), two ground stone tools (in Burials 1 and 5, 0.2 ground stone per burial), and seven Bonham arrow points (Heartfield, Price and Greene, Inc. 1988:Table 7-1) found in a cache or quiver in Burial 9.

### Ceramic Vessels

The re-analysis of the ceramic vessels from burial features at 41HS74 concerns 23 vessels. Two vessels (P.S. B and P.S. C) from Burial 8 were stolen from the site during the work, and are not in the TARL collections. The missing vessels from Burial 8 are described as a Canton Incised jar and a miniature pinched jar (Heartfield, Price and Greene, Inc. 1988:4-30).

SITE NAME OR SITE NUMBER: 41HS74

VESSEL NO.: Lot 1598, Burial 1

VESSEL FORM: Bowl

NON-PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish-brown; fire clouds on the rim, body, and base

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouds on the body

WALL THICKNESS (IN MM): rim, 8.2 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 11.5

ORIFICE DIAMETER (IN CM): 12.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 12.3

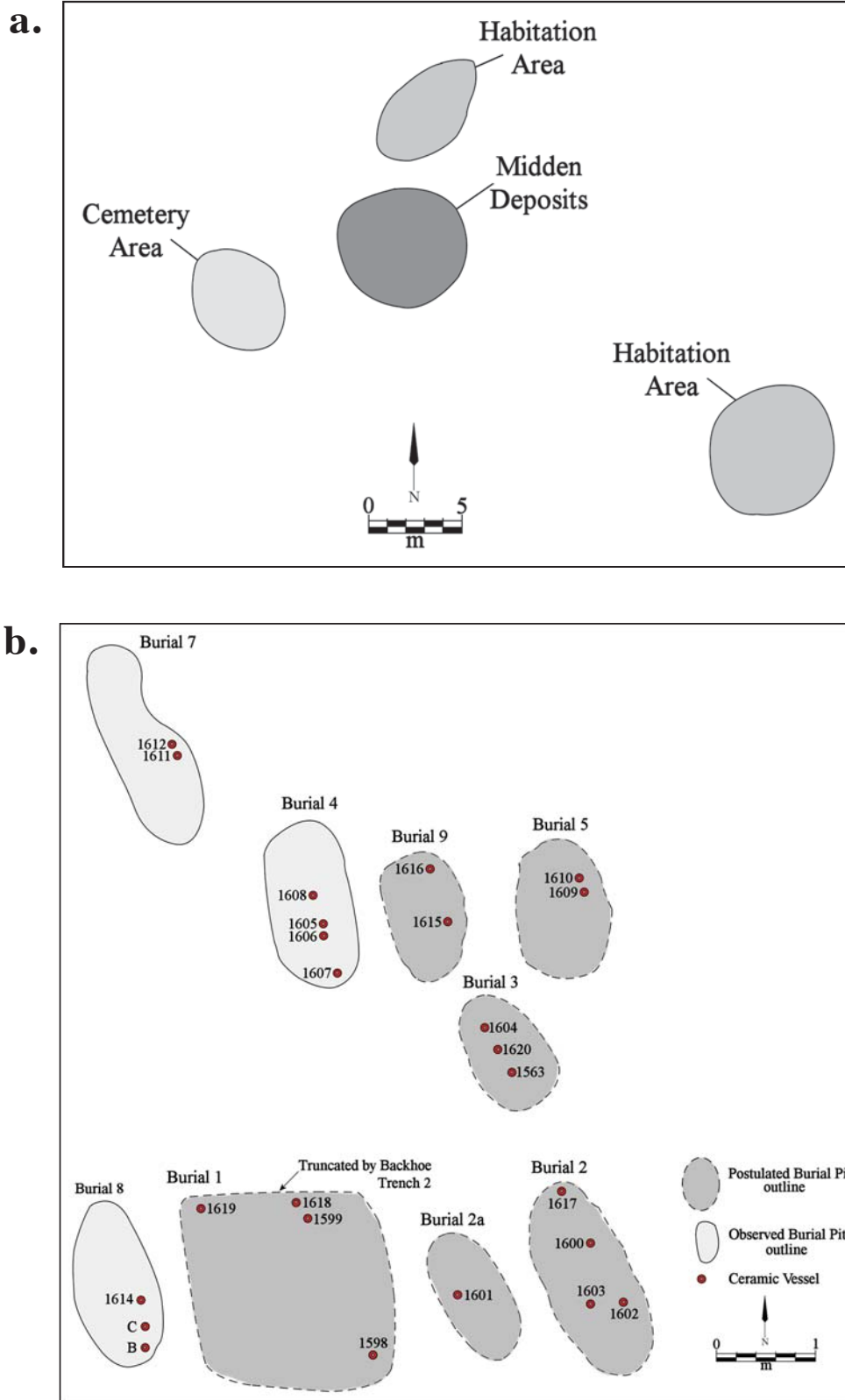


Figure 2. 41HS74 layout: a, habitation areas and cemetery area explored during data recovery; b, cemetery features at 41HS74, and placement of ceramic vessels in the different burials.

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.6

ESTIMATED VOLUME (IN LITERS): 0.56

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The decorated panel, 60 mm in height, is comprised of five sets of upper and lower incised triangles filled with rows of tool punctations (Figure 3).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Maydelle Incised

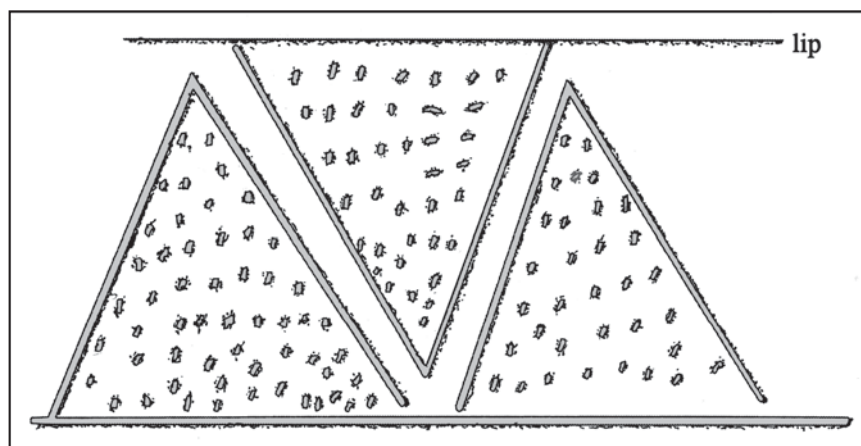


Figure 3. Maydelle Incised jar (Lot 1598) in Burial 1 at 41HS74.

SITE NAME OR SITE NUMBER: 41HS74

VESSEL NO.: Lot 1599, Burial 1

VESSEL FORM: Bottle

NON-PLASTICS AND PASTE: grog

RIM AND LIP FORM: N/A

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: grayish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouds on the body

WALL THICKNESS (IN MM): neck, 6.0 mm; body, 6.1 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 10.8+

ORIFICE DIAMETER (IN CM): 5.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.6; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.33+

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified plain ware

SITE NAME OR SITE NUMBER: 41HS74

VESSEL NO.: Lot 1618, Burial 1

VESSEL FORM: Jar

NON-PLASTICS AND PASTE: grog

RIM AND LIP FORM: N/A

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark reddish-brown; fire clouds on the body

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouds on the body and base

WALL THICKNESS (IN MM): body, 6.7 mm; base, 8.0 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): N/A

ORIFICE DIAMETER (IN CM): N/A

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 9.6; circular and flat

ESTIMATED VOLUME (IN LITERS): N/A

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel body has vertical brushing marks and vertical tool punctated rows pushed through the brushing.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Pease Brushed-Incised

SITE NAME OR SITE NUMBER: 41HS74

VESSEL NO.: Lot 1619, Burial 1

VESSEL FORM: Bowl or Carinated bowl section (body and base of vessel only)

NON-PLASTICS AND PASTE: grog

RIM AND LIP FORM: N/A

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: very dark gray

EXTERIOR SURFACE COLOR: brown; fire clouds on the body and base

WALL THICKNESS (IN MM): body, 5.4 mm; base, 6.6 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): N/A

ORIFICE DIAMETER (IN CM): N/A

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 10.2; circular and flat

ESTIMATED VOLUME (IN LITERS): N/A

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified plain ware

SITE NAME OR SITE NUMBER: 41HS74

VESSEL NO.: Lot 1600, Burial 2

VESSEL FORM: Jar

NON-PLASTICS AND PASTE: bone

RIM AND LIP FORM: Direct rim and rounded, exterior flattened lip

CORE COLOR: H (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: reddish-brown; fire clouds on the rim

EXTERIOR SURFACE COLOR: very dark grayish-brown



WALL THICKNESS (IN MM): rim, 5.4 mm; body, 6.4 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 7.7

ORIFICE DIAMETER (IN CM): 9.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 9.2

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.4; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.43

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There is a single tool punctated row beneath the lip of the vessel. The vessel body has a series of 19 vertical applied ridges or fillets that extend from the rim-body juncture to the vessel base.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified utility ware

SITE NAME OR SITE NUMBER: 41HS74

VESSEL NO.: Lot 1602, Burial 2

VESSEL FORM: Jar

NON-PLASTICS AND PASTE: grog

RIM AND LIP FORM: N/A

CORE COLOR: H (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish-gray

EXTERIOR SURFACE COLOR: dark gray

WALL THICKNESS (IN MM): body, 8.9 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): N/A

ORIFICE DIAMETER (IN CM): 8.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.0; circular and flat

ESTIMATED VOLUME (IN LITERS): N/A

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified plain ware

SITE NAME OR SITE NUMBER: 41HS74

VESSEL NO.: Lot 1603, Burial 2

VESSEL FORM: Carinated bowl

NON-PLASTICS AND PASTE: grog

RIM AND LIP FORM: N/A

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark gray to dark yellowish-brown; fire clouds on the base

EXTERIOR SURFACE COLOR: dark gray to dark yellowish-brown; fire clouds on the base

WALL THICKNESS (IN MM): lower rim, 6.5 mm; body, 8.2 mm; base, 11.1 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): N/A

ORIFICE DIAMETER (IN CM): 15.6

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 15.6

BASE DIAMETER (IN CM) AND SHAPE OF BASE: N/A

ESTIMATED VOLUME (IN LITERS): N?A

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are at least two rows of small excised punctations on the lower part of the rim.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): possible Handy Engraved (see Suhm and Jelks 1962:63 and Plate 32)

SITE NAME OR SITE NUMBER: 41HS74

VESSEL NO.: Lot 1617, Burial 2

VESSEL FORM: Compound bowl

NON-PLASTICS AND PASTE: grog

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish-brown; fire clouds on the rim and base

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouds on the rim, body, and base

WALL THICKNESS (IN MM): rim, 6.0 mm; body, 6.2 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 11.4

ORIFICE DIAMETER (IN CM): 15.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 14.8

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 6.4; circular and rounded

ESTIMATED VOLUME (IN LITERS): 1.4

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper panel is undecorated. The lower panel has an incised slanting scroll with a central incised circle (Figure 4) that is repeated four times around the vessel; the central incised circle is filled with tool punctates. Upper and lower scroll fill zones are also filled with tool punctates.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Crockett Curvilinear Incised

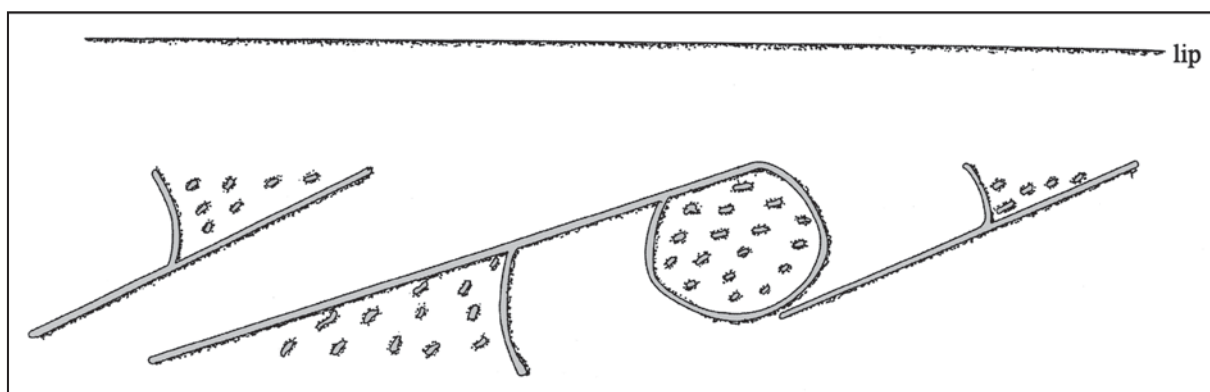


Figure 4. Decorative elements on Crockett Curvilinear Incised compound bowl (Burial 2) at 41HS74.

SITE NAME OR SITE NUMBER: 41HS74

VESSEL NO.: Lot 1601, Burial 2A

VESSEL FORM: Compound bowl

NON-PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish-brown; fire clouds on the base

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouds on the body and base

WALL THICKNESS (IN MM): rim, 6.6 mm; body, 7.3 mm; base, 12.2 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 7.3

ORIFICE DIAMETER (IN CM): 14.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 14.7

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.6; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.85

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper panel of the vessel has three widely-spaced horizontal engraved lines (Figure 5). The lower panel has six repeating sets of two horizontal-vertical scroll lines.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified fine ware

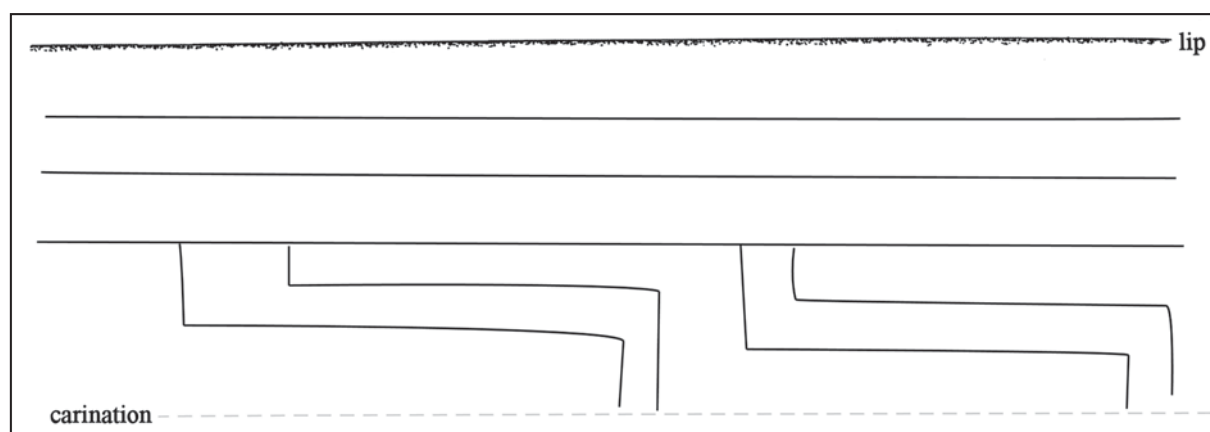


Figure 5. Decorative elements on compound bowl (Lot 1601) from Burial 2A at 41HS74.

SITE NAME OR SITE NUMBER: 41HS74

VESSEL NO.: Lot 1563, Burial 3

VESSEL FORM: Bowl

NON-PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark yellowish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouds on the base

WALL THICKNESS (IN MM): rim, 5.5 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 6.2

ORIFICE DIAMETER (IN CM): 8.9

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 6.4; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.22

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The exterior vessel surface is covered with a series of circular applied nodes.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): cf. Moore Noded (see Webb 1959:Figure 122a)

SITE NAME OR SITE NUMBER: 41HS74

VESSEL NO.: Lot 1604, Burial 3

VESSEL FORM: Carinated bowl

NON-PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and a rounded, exterior folded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: very dark grayish-brown

EXTERIOR SURFACE COLOR: very dark grayish-brown

WALL THICKNESS (IN MM): rim, 5.4 mm; body, 5.9 mm; base, 6.1 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 6.4

ORIFICE DIAMETER (IN CM): 15.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 15.3

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 10.8; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.59

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has four broadly-spaced horizontal incised lines above a panel with one or two curvilinear rows of circular punctations (Figure 6).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified incised-punctated

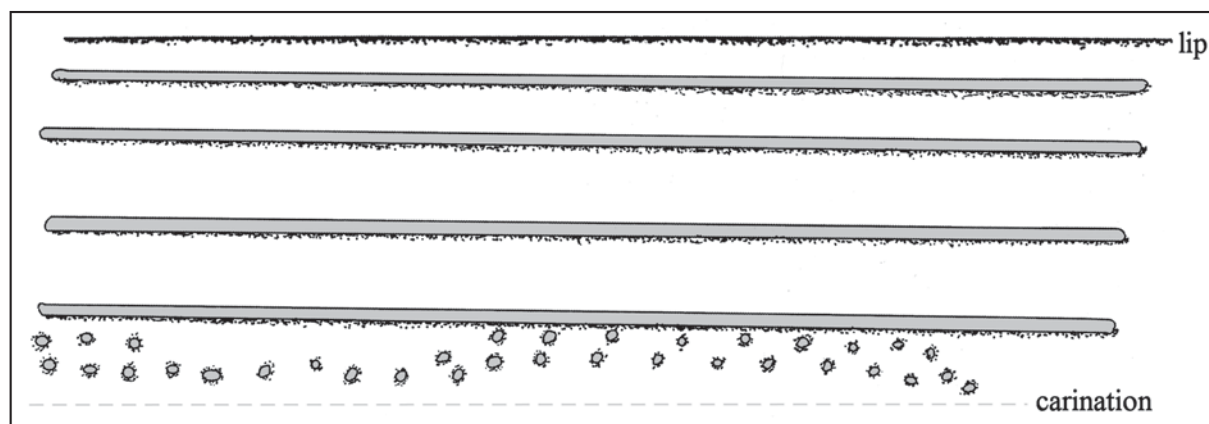


Figure 6. Incised-punctated carinated bowl (Lot 1604) from Burial 3 at 41HS74.

SITE NAME OR SITE NUMBER: 41HS74

VESSEL NO.: Lot 1620, Burial 3

VESSEL FORM: Carinated bowl

NON-PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded, exterior folded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark gray

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouds on the rim and body

WALL THICKNESS (IN MM): rim, 5.5 mm; body, 7.1 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): N/A

ORIFICE DIAMETER (IN CM): 12.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 12.5

BASE DIAMETER (IN CM) AND SHAPE OF BASE: N/A

ESTIMATED VOLUME (IN LITERS): N/A

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified plain ware

SITE NAME OR SITE NUMBER: 41HS74

VESSEL NO.: Lot 1605, Burial 4

VESSEL FORM: Bottle

NON-PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: grayish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouds on the body and base

WALL THICKNESS (IN MM): rim, 7.4 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 16.4

ORIFICE DIAMETER (IN CM): 3.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.0

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 6.4; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.42

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel body has a series of broad curvilinear engraved zones filled with diagonal hatched lines (Figure 7). These zones wrap around a circular element repeated twice on the vessel. Within the circular element is another curvilinear engraved line that ends in a small hatched engraved circle.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): This vessel from Burial 4 was originally identified as an engraved bottle with a possible rattlesnake motif (Heartfield, Price and Greene, Inc. 1988:Figure 6-15), possibly one of a number of vessels (some subsumed under the Nacogdoches Engraved rubric) found in Middle and Late Caddo period East Texas sites with engraved rattlesnake motifs (see Hart 2014; Hart and Pertulla 2010; Walters 2006). Re-examination of the engraved elements on this bottle suggest instead that it is an unidentified fine ware vessel with curvilinear hatched zones and a central hatched circle (Figure 7).

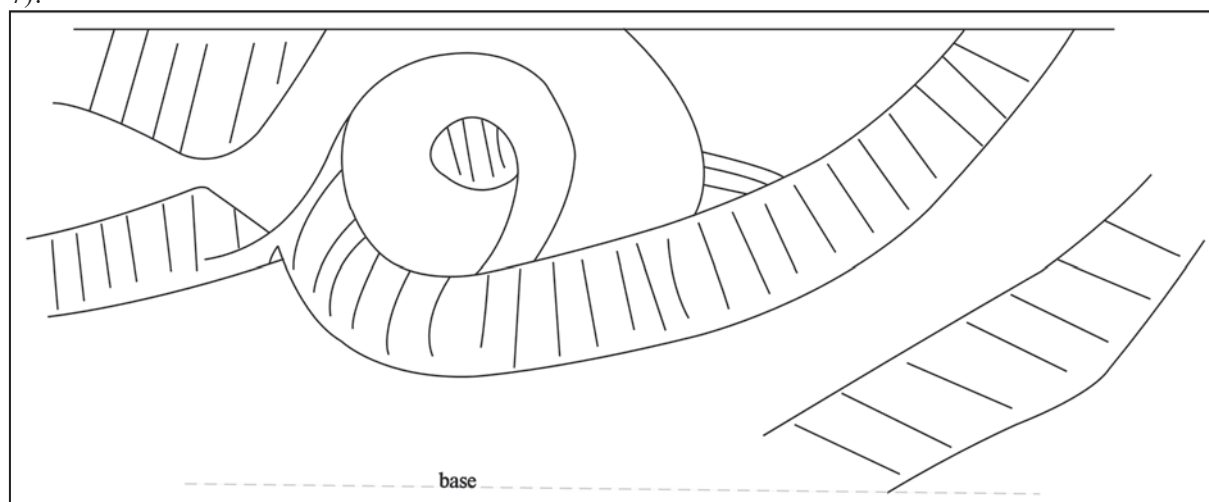


Figure 7. Decorative elements on the engraved bottle (Lot 1605) from Burial 4 at 41HS74.

SITE NAME OR SITE NUMBER: 41HS74

VESSEL NO.: Lot 1606, Burial 4

VESSEL FORM: Jar

NON-PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: reddish-brown; fire clouds on the base

EXTERIOR SURFACE COLOR: reddish-brown; fire clouds on the body and base



WALL THICKNESS (IN MM): rim, 8.0 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 10.2

ORIFICE DIAMETER (IN CM): 9.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 9.3

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 6.2; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.57

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Vertical brushing marks on the rim and body of the vessel.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified brushed utility ware, possibly Bullard Brushed

SITE NAME OR SITE NUMBER: 41HS74

VESSEL NO.: Lot 1607, Burial 4

VESSEL FORM: miniature Compound bowl

NON-PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: A (fired and cooled in an oxidizing environment)

INTERIOR SURFACE COLOR: yellowish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouds on the base

WALL THICKNESS (IN MM): rim, 4.0 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 5.0

ORIFICE DIAMETER (IN CM): 6.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.7

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 4.1; circular-rounded

ESTIMATED VOLUME (IN LITERS): 0.26

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified plain ware

SITE NAME OR SITE NUMBER: 41HS74

VESSEL NO.: Lot 1608, Burial 4

VESSEL FORM: Carinated bowl

NON-PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: reddish-brown; fire clouds on the base

EXTERIOR SURFACE COLOR: reddish-brown; fire clouds on the body and base

WALL THICKNESS (IN MM): rim, 6.1 mm; body, 7.9 mm; base, 11.3 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 5.1

ORIFICE DIAMETER (IN CM): N/A

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 10.7; circular and flat

ESTIMATED VOLUME (IN LITERS): N/A

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified plain ware

SITE NAME OR SITE NUMBER: 41HS74

VESSEL NO.: Lot 1609, Burial 5

VESSEL FORM: Jar

NON-PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouds on the body

WALL THICKNESS (IN MM): rim, 5.6 mm; body, 7.0 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 8.2+

ORIFICE DIAMETER (IN CM): 9.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 9.0

BASE DIAMETER (IN CM) AND SHAPE OF BASE: N/A

ESTIMATED VOLUME (IN LITERS): N/A

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified plain ware

SITE NAME OR SITE NUMBER: 41HS74

VESSEL NO.: Lot 1610, Burial 5

VESSEL FORM: Carinated bowl

NON-PLASTICS AND PASTE: bone

RIM AND LIP FORM: Direct rim and flat lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: reddish-brown

EXTERIOR SURFACE COLOR: reddish-brown; fire clouds on the body and base

WALL THICKNESS (IN MM): rim, 5.6 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 4.8

ORIFICE DIAMETER (IN CM): 12.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 12.5

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 6.3; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.36

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified plain ware

SITE NAME OR SITE NUMBER: 41HS74

VESSEL NO.: Lot 1611, Burial 7

VESSEL FORM: Bowl

NON-PLASTICS AND PASTE: grog-bone

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: gray

EXTERIOR SURFACE COLOR: gray; fire clouds on the body and base

WALL THICKNESS (IN MM): rim, 6.0 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 6.3

ORIFICE DIAMETER (IN CM): 14.1

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 6.4; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.36

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified plain ware

SITE NAME OR SITE NUMBER: 41HS74

VESSEL NO.: Lot 1612, Burial 7

VESSEL FORM: Jar

NON-PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown; fire clouds on the rim and body

WALL THICKNESS (IN MM): rim, 6.3 mm; body, 7.2 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 14.8

ORIFICE DIAMETER (IN CM): 12.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 12.3

BASE DIAMETER (IN CM) AND SHAPE OF BASE: M/A

ESTIMATED VOLUME (IN LITERS): 1.1

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel rim has four sets of diagonal incised lines pitched in opposite directions, forming incised triangles filled with rows of tool punctations (Figure 8). The vessel body has rows of tool punctations that extend from the rim-body juncture to within 34 mm of the base.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified incised-punctated, likely Maydelle Incised

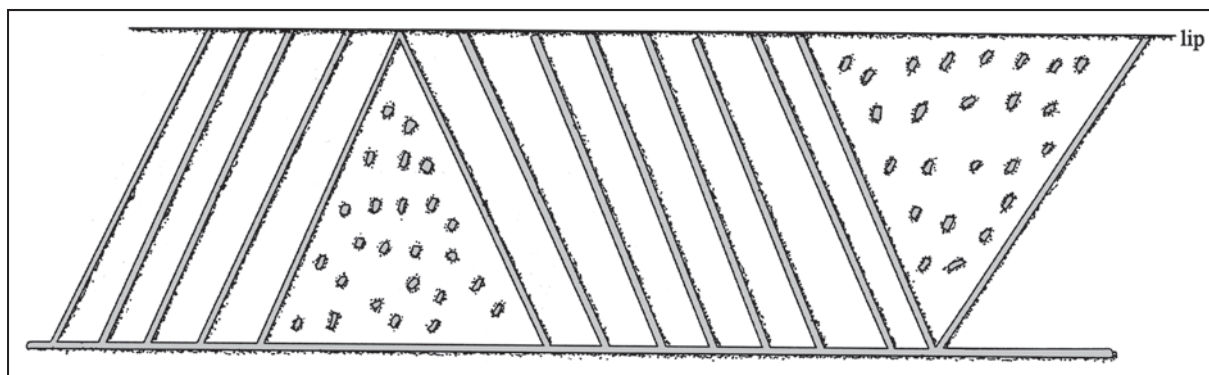


Figure 8. Decorative elements on the rim of Lot 1612 vessel, Burial 7 at 41HS74.

SITE NAME OR SITE NUMBER: 41HS74

VESSEL NO.: Lot 1614, Burial 8

VESSEL FORM: Bottle

NON-PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: grayish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouds on the rim and base

WALL THICKNESS (IN MM): neck, 7.0 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 17.4

ORIFICE DIAMETER (IN CM): 4.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.8

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.6; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.53

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT):

The vessel body has nine sets of vertical engraved panels that are filled with either horizontal or diagonal hatched lines (Figure 9a). The upper part of the bottle neck has a narrow horizontal engraved zone filled with vertical hatched lines, and this zone sits atop a set of 12 individual vertical panels filled with diagonal hatched lines (Figure 9b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified fine ware

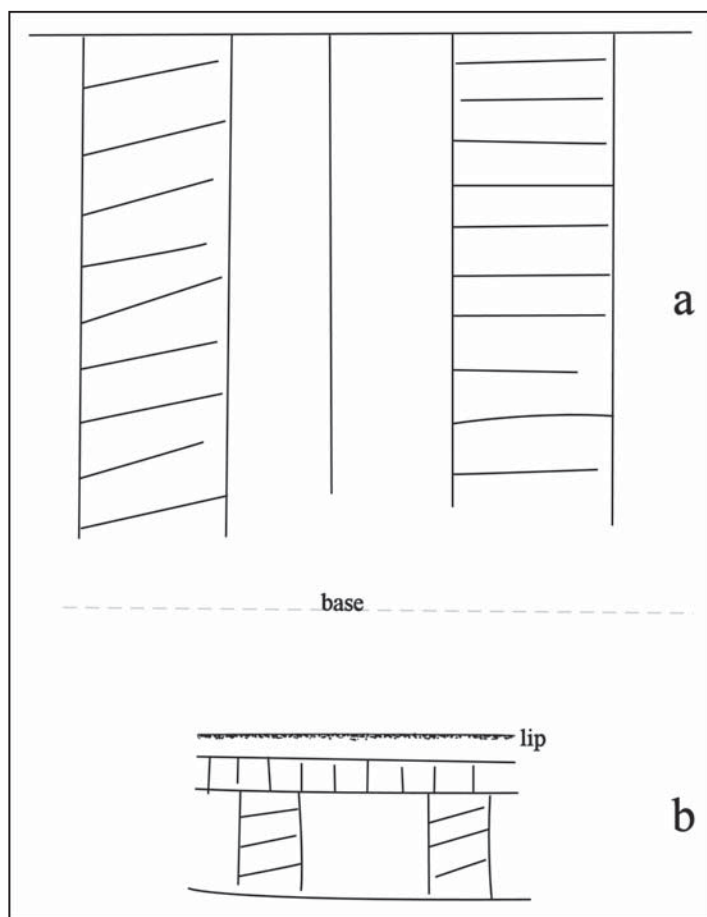


Figure 9. Decorative elements on the Lot 1614 bottle in Burial 8 at 41HS74: a, vessel body; b, vessel neck.

SITE NAME OR SITE NUMBER: 41HS74

VESSEL NO.: Lot 1615, Burial 9

VESSEL FORM: Jar with scalloped rim and rim peaks

NON-PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: H (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: brownish-red; fire clouds on the rim

EXTERIOR SURFACE COLOR: very dark grayish-brown; fire clouds on the rim, body, and base;  
organic residue on the rim and body

WALL THICKNESS (IN MM): rim, 7.4  
mm

INTERIOR SURFACE TREATMENT:  
none

EXTERIOR SURFACE TREATMENT:  
none

HEIGHT (IN CM): 12.7; 13.9 cm at the  
rim peaks

ORIFICE DIAMETER (IN CM): 11.4

DIAMETER AT BOTTOM OF RIM OR  
NECK (IN CM): 11.4

BASE DIAMETER (IN CM) AND SHAPE  
OF BASE: 6.8; circular and flat

ESTIMATED VOLUME (IN LITERS):  
0.87

DECORATION (INCLUDING MOTIF  
AND ELEMENTS WHEN APPARENT):

The vessel rim has a set of five vertical incised panels (defined by a series of closely-spaced vertical incised lines) filled with closely-spaced diagonal incised lines pitched in opposite directions (Figure 10). There is a single broad horizontal incised line at the rim-body juncture. The vessel body has eight vertical incised panels defined by sets of closely-spaced vertical incised lines. Each of the panels is filled with closely-spaced diagonal incised lines pitched in opposite directions.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): cf. Dunkin Incised (see Suhm and Jelks 1962:Plate 19)

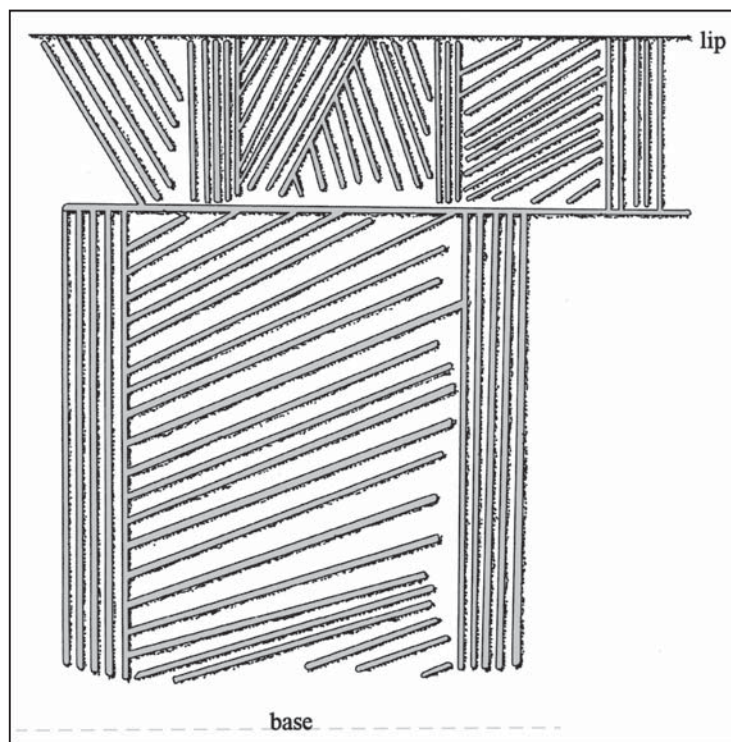


Figure 10. Decorative elements on Lot 1615 vessel in Burial 9 at 41HS74.

SITE NAME OR SITE NUMBER: 41HS74

VESSEL NO.: Lot 1616, Burial 9

VESSEL FORM: Carinated bowl

NON-PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish-brown; fire clouds on the rim, body, and base

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouds on the body and base

WALL THICKNESS (IN MM): rim, 6.2 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 7.6

ORIFICE DIAMETER (IN CM): 15.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 15.0

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.4; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.68

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Four widely-spaced horizontal engraved lines on the vessel rim.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Hickory Engraved

### **Summary and Conclusions**

1980s excavations at 41HS74 in the mid-Sabine River basin by Heartfield, Price and Greene, Inc. (1988) identified nine ancestral Caddo burial features in a small cemetery. Each of the burial features had associated Caddo ceramic vessels as funerary offerings, with a range of 1-4 vessels per burial. The 23 remaining ceramic vessels from the site in the collections at the Texas Archeological Research Laboratory have been reanalyzed to better ascertain the temporal and functional characteristics of this distinctive East Texas ceramic assemblage.

Several different vessel forms, mainly small to medium-sized based on their estimated volume in liters, are present in the 41HS74 vessel assemblage, principally jars (30.4 percent) and carinated bowls (26.1 percent). Other vessel forms include compound bowls (13.0 percent), bowls (13.0 percent), and



bottles (8.7 percent); one incomplete vessel in Burial 1 may be from a bowl or carinated bowl. These vessels were uniformly manufactured with grog (87.1 percent), followed by bone (8.6 percent); one vessel (4.3 percent) was tempered with both grog and bone.

Nine of the 23 vessels (39.1 percent) in the 41HS74 vessel assemblage are plain. This includes one bottle, one bowl or carinated bowl, two jars, one bowl, three carinated bowls, and one compound bowl. Of the 14 vessels with decorative elements, 35.7 percent (n=5) are fine wares with engraved or excised designs, and the remaining 64.3 percent of the vessels (n=9) have wet paste utility ware decorative elements, including: brushed-punctated (n=1), incised (n=2), punctated-appliqued (n=1), incised-punctated (n=3), appliqued/noded (n=1), and brushed (n=1).

Vessels that can be identified to a currently defined Caddo ceramic type include: Pease Brushed-Incised and Maydelle Incised jars in Burial 1; a Handy Engraved carinated bowl and a Crockett Curvilinear Incised compound bowl in Burial 2; a Moore Noded bowl in Burial 3; and a Dunkin Incised jar and a Hickory Engraved carinated bowl in Burial 9. The range in identified decorative ceramic types in the 41HS74 vessel assemblage suggests that the cemetery began to be used sometime in the Early Caddo period (ca. A.D. 1000-1200) with the interment of Burial 9. Based on the recovered ceramic vessel types, and the arranged placement of burials in rows in the cemetery (see Figure 2b), the other burials likely were all interred after ca. A.D. 1200, in the Middle Caddo period. Certainly, Pease Brushed-Incised, Handy Engraved, and Maydelle Incised vessels would not be out of place in an East Texas cemetery dating to this period, nor would an engraved bottle with decorative elements suggestive of snake elements (Lot 1605 bottle in Burial 4). Burial 3, with the Moore Noded bowl and the incised-punctated carinated bowl, may be the latest interment in the cemetery.

The one available radiocarbon date from the 41HS74 cemetery is on a charcoal sample near the cranium of Burial 1, and confirms the Middle Caddo period age of one of the burials; unfortunately the standard deviation of the sample is very broad. The conventional age of the sample is  $630 \pm 240$  years B.P., with a mean age of A.D. 1320 (Heartfield, Price and Greene, Inc. 1988:13-1). The IntCal13 calibrated mean age of this sample is 565 years B.P., or A.D. 1385. Clearly, more radiocarbon dates are needed from the cemetery to truly establish its likely period or periods of use by ancestral Caddo peoples.

In conclusion, the cemetery at 41HS74 was used, probably episodically, during what was likely the end of the Early Caddo period through the latter part of the 14<sup>th</sup> century A.D., during the Middle Caddo period. The settlement of this site, and the interment of burials in a small cemetery there, primarily predated the establishment of the Pine Tree Mound site (41HS15) and associated community (see Fields and Gadus 2012b:638) in the same part of the mid-Sabine River basin in East Texas.

### **Acknowledgments**

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